Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/13/2018 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125337	0	7.28	125406	7.39
Blue	F	SSC	125000	122697	-2	9.42	123852	9.53
Blue	E	FITC	15492	15363	-1	8.50 (1)	356	25.33
Blue	D	PE	28736	28413	-2	8.16	627	20.38
Blue	B	PerCP-Cy5-5	41413	41804	0	9.02	1154	26.75
Blue	A	PE-Cy7	31321	31462	0	10.65	572	53.14
Red	C	APC	41673	41412	-1	5.04	1592	15.32
Red	A	APC-Cy7	29962	29379	-2	5.10	735	16.09
Violet	B	V450	8318	7917	-5	6.99 (2)	441	17.23
Violet	A	V500	34199	33120	-4	6.88	799	13.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20292	7.67	626	13	N/A	N/A	Pass
Blue	F	SSC	55448	8.54	595	27	N/A	N/A	Pass
Blue	E	FITC	59	81.54	574	13	0.0129	202	Pass
Blue	D	PE	123	69.66	573	13	0.1007	342	Pass
Blue	B	PerCP-Cy5-5	205	64.46	683	16	0.0058	59	Pass
Blue	A	PE-Cy7	105	137.82	739	17	0.0074	30	Pass
Red	C	APC	359	30.95	612	11	0.0149	21	Pass
Red	A	APC-Cy7	180	34.83	587	11	0.0036	813	Pass
Violet	B	V450	65	77.78	483	6	0.0296	1907	Pass
Violet	A	V500	112	42.36	502	8	0.0141	735	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.71	-31.94	1.07
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.49
Red	16.75	13.60 - 20.40	N/A	N/A	29.15	29.88	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11005

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments